



**COLORADO**

Department of  
Higher Education

## STATEWIDE TRANSFER ARTICULATION AGREEMENT

in

### CHEMISTRY

**For an Associate Degree with Designation (DwD)**

**FROM ONE OF THESE COLORADO PUBLIC COMMUNITY / JUNIOR COLLEGES**

Aims Community College [*A.S. Chemistry*]  
Arapahoe Community College [*A.S. Chemistry*]  
Colorado Mountain College [*A.S. Chemistry*]  
Community College of Aurora [*A.S. Chemistry*]  
Community College of Denver [*A.S. Chemistry*]  
Front Range Community College [*A.S. Chemistry*]  
Northeastern Junior College [*A.S. Chemistry*]  
Otero Junior College [*A.S. Chemistry*]  
Pikes Peak Community College [*A.S. Chemistry*]  
Pueblo Community College [*A.S. Chemistry*]  
Red Rocks Community College [*A.S. Chemistry*]

and

**For a Bachelor's Degree**

**FROM ONE OF THESE COLORADO PUBLIC FOUR-YEAR INSTITUTIONS**

Adams State University [*B.S. Chemistry*]  
Colorado Mesa University [*B.S. Chemistry*]  
Colorado State University-Ft Collins [*B.S. Chemistry*]  
Colorado State University-Pueblo [*B.S. Chemistry*]  
Fort Lewis College [*B.S. Chemistry; Chemistry option*]  
Metropolitan State University of Denver [*B.A./B.S. Chemistry*]  
University of Colorado Boulder [*B.A. Chemistry*]  
University of Colorado Colorado Springs [*B.A./B.S. Chemistry*]  
University of Colorado Denver [*B.S. Chemistry*]  
University of Northern Colorado [*B.S. Chemistry; Biochemistry, Chemistry, Forensic Science, Industrial Chemistry, Pre-Health emphases*]  
Western State Colorado University [*B.A. Chemistry; General Chemistry, Biochemistry emphases*]



## **INTRODUCTION**

The purpose of a statewide transfer articulation agreement is to identify the courses a student at a Colorado public community college must complete as part of an AA/AS degree to be guaranteed to be able to complete the designated baccalaureate degree program at any public four-year college and university (hereafter referred to as receiving institutions) that offers that program within the minimum number of credits designated by the Colorado Commission on Higher Education.

The guarantees and limitations below describe the minimum requirements to which all participating institutions have agreed.

An appeal related to denial of transfer credits will follow the Colorado Commission on Higher Education student appeal process. An appeal may be filed at <http://highered.colorado.gov/Academics/Complaints/>.

## **PART ONE: GUARANTEES**

**Please note that this statewide transfer articulation agreement in Chemistry neither fulfills the graduation requirements for the AS degree nor the GT Pathways general education curriculum. Not completing the GT Pathways general education curriculum and the AS degree alters the standard guarantees afforded to community college students when compared to other statewide transfer articulation agreements. However, this Chemistry transfer articulation agreement is designed to provide the guarantees at the time of transfer.**

Students who complete the prescribed curriculum in this articulation agreement **and** are admitted (with no academic deficiencies that require additional coursework) to a receiving institution participating in this agreement are guaranteed the following:

1. Junior standing with no more than 60 remaining credits to meet the graduation requirements for a baccalaureate degree in the degree program covered by this articulation agreement.
2. Completion of the receiving institution's lower division general education requirements is guaranteed only under the conditions that one GT Pathways-approved course in arts and humanities (AH1, AH2, AH3, or AH4) and one GT Pathways-approved course in social and behavioral sciences (SS1, SS2, or SS3) are successfully completed at the receiving institution within the first 30 hours or 12 calendar months, whichever comes first.
3. Students transferring to a 4-year college/university under this Chemistry transfer articulation agreement are encouraged to 'reverse' transfer the one GT Pathways course in arts and humanities and the one GT Pathways course in social and behavioral sciences (#2 above) back to their community college in order to complete the GT Pathways general education program and to earn their Associate of Science degree with a Chemistry designation.
4. The same graduation requirements as students who begin and complete this degree program at the receiving institution.

## **PART TWO: LIMITATIONS**

1. Completion of the curriculum prescribed within this statewide transfer articulation agreement does not guarantee admission to a participating receiving institution. Students must meet all admission and application requirements at the receiving institution including the submission of all required documentation by stated deadlines. Please note: students transferring to a University of Colorado institution (Boulder, Colorado Springs, Denver) must satisfy the CU System's MAPS (Minimum Academic Preparation Standards) requirement.
2. Lecture and laboratory portions of organic chemistry, CHE 211 and 212, must not be taken in an online delivery format.
3. Only courses with grades of C or higher are guaranteed to transfer.
4. Admission to a receiving institution does not guarantee enrollment in a specific degree program. Some programs at receiving institutions have controlled entry due either to space limitations or academic requirements.
5. The credit and course transfer guarantees described in this agreement apply to the specific degree program covered by this agreement. Receiving institutions will evaluate application of the courses designated in this agreement to other degree programs on a course-by-course basis.
6. Students who wish to use credits awarded by exam, such as AP (Advanced Placement), or IB (International Baccalaureate), to fulfill specific course requirements are responsible for consulting with the institution to which they are considering transferring to determine whether the credits they have been awarded by exam meet the standards of the receiving institution for specific course equivalents.
7. The receiving institution will accept all applicable credits earned within ten years of transfer to the receiving institution. Credits earned more than ten years earlier will be evaluated on a course-by-course basis.
8. All the courses a student needs to take in the discipline covered by this transfer articulation agreement are listed in the prescribed curriculum. **Any additional courses taken in the discipline covered by this agreement might not count toward the requirements of the major at the receiving institution.** Students can avoid this problem by either taking no more courses in the discipline than the ones identified in the prescribed curriculum or by consulting first with the receiving institution to assure that any additional courses they take in the discipline will count toward the major.
9. Students seeking K-12 teacher licensure may not use this agreement because teacher preparation programs have different requirements for educator licensure.

Because of the limitations above, students must consult with the Office of Admissions at the institution to which they are considering transferring.

## PART THREE: PRESCRIBED CURRICULUM

CCCS Courses Applied to GT Pathways General Education Curriculum (Notes 1, 2, 3, 4)				30
Content Area	Credit Hours	Community College Course No.	Course Title or Category	
(Written) Communication	6	ENG 121 and ENG 122 <b>OR</b> ENG 122 and a GT Pathways-approved GT-CO3 course	English Composition I (GT-CO1) and English Composition II (GT-CO2) <b>OR</b> English Composition II (GT-CO2) and a GT Pathways-approved CO3 course (GT-CO3)	
Mathematics	5	MAT 201	Calculus I (GT-MA1)	
Arts & Humanities (Notes 1, 2, 3)	3		One GT Pathways Arts & Humanities course (GT-AH1, GT-AH2, GT-AH3, or GT-AH4)	
History	3		One GT Pathways History course (GT-HI1)	
Social & Behavioral Sciences (Notes 1, 2,3)	3		One GT Pathways Social & Behavioral Science course (GT-SS1, GT-SS2, or GT-SS3)	
Natural & Physical Sciences	5 5	CHE 111 CHE 112	General College Chemistry I (with Lab) General College Chemistry II (with Lab)	
<b>Additional Required Courses</b>				<b>29</b>
Content Area	Credit Hours	Community College Course No.	Course Title	
Mathematics	5 4	MAT 202 MAT 203	Calculus II Calculus III	
Physics	5 5	PHY 211 PHY 212	Physics: Calculus-Based I (with Lab) Physics: Calculus-Based II (with Lab)	
Organic Chemistry (Note 4)	5 5	CHE 211 CHE 212	Organic Chemistry I (with Lab) Organic Chemistry II (with Lab)	
<b>Electives Courses</b>				<b>1</b>
<b>Total</b>				<b>60</b>

### Notes:

1. This statewide transfer articulation agreement in Chemistry does not fulfill requirements for the GT Pathways general education curriculum or the Associate of Science degree prior to transfer; however, this agreement does guarantee a student, if admitted, junior standing and completion of the baccalaureate degree within an additional 60 semester hours at the receiving institution.
2. Completion of the receiving institution's lower division general education requirements is fulfilled only under the condition that one GT Pathways-approved course in arts and humanities (AH1, AH2, AH3, or AH4) and one GT Pathways-approved course in social and behavioral sciences (SS1, SS2, or SS3) are successfully completed at the receiving institution within the first 30 hours or 12 calendar months.
3. Students transferring to a four-year college/university under this Chemistry agreement are encouraged to 'reverse' transfer the one GT Pathways course in arts and humanities and the one GT Pathways course in social and behavioral sciences (Note #2 above) back to their community college in order to complete the GT Pathways general education program and to earn their Associate of Science degree with a Chemistry designation.
4. Lecture and laboratory portions of organic chemistry, CHE 211 and 212, must not be taken in an online delivery format.

## **ADDENDUM TO AGREEMENT**

Students who do not complete an AA/AS degree can use the prescribed curriculum in a statewide transfer articulation agreement as a common advising guide for transfer to all public institutions that offer the designated bachelor's degree program.

Please note the following:

1. Students are guaranteed application of general education courses completed with a C- or higher in the prescribed curriculum in this agreement up to the established maximum in each GT Pathways content area.
2. Except in special cases (e.g., the partial completion of a required sequence of courses or variation in the number of credit hours institutions award for course equivalents), students can expect that courses specified within the prescribed curriculum in this agreement, successfully completed with a C- or higher, will fulfill the relevant course requirements in the designated major.
3. Receiving institutions will evaluate all courses other than those specified in this agreement on a course-by-course basis.

Students transferring without a completed AA/AS degree must consult with the Office of Admissions at the institution to which they are transferring to review the issues identified above, and to make sure they meet all admission and application requirements at the receiving institution, including the submission of all required documentation by stated deadlines.

*This agreement will remain in force until such time as it is formally modified or terminated.*

*The Chief Executive Officers/Presidents/Chancellors and Chief Academic Officers for all participating institutions, as listed on the cover page, have signed this agreement. Signatures are on file in the Division of Academic Affairs at the Colorado Department of Higher Education.*

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### **HISTORY OF REVISIONS TO AGREEMENT:**

- 2014-12-04 – Approved by CCHE.
- 2016-08 – Cover page revised: added only CCs who are participating and degree titles; some formatting adjustments.
- 2016-12 – Formatting edits made.
- 2017-01 – Formatting changes made to cover page; paragraph 9 added to Limitations section; removed teacher licensure paragraph in Prescribed Curriculum; added updated Addendum to Agreement section.